PUGACHEV, B. P. (Voronezh) Note on the analysis of certain iterative processes. Zhur. vych. mat. i mat. fiz. 2 no.5:912-915 S-0 '62.

(MIRA 16:1) (Sequences (Mathematics))

PUGACHEV, B. P.

PUGACHEV, B. F.: "Certain methods of approximate calculation of natural values and natural vectors." Voronezh State U. Voronezh, 1956. (Dissertation for the Degree of Candidate in Physicomathematical Sciences.)

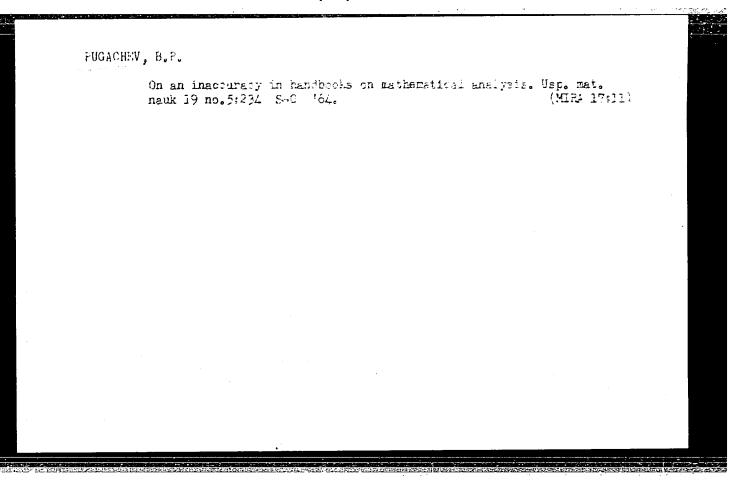
30: Knizhnaya Letopist, No. 26, 1956

PUGACHEV, B.P. (Voronezh)

Speeding up the convergence of second-order iterative processes.

Zhur.vych.mat.i mat.fiz. 2 no.4:703-705 Jl-Ag '62. (MIMA 15:8)

(Convergence) (Linear equations)



Approximate computation of eigenvectors. Thur. Tych. Est. i mat. fiz. 4 no.2:340-343 Mr-Ap '64, (MIRA 17:7)

ACCESSION MR: AP4024566

5/0208/64/004/002/0340/0343

AUTHOR: Pugachev, B. P. (Voronezh)

TITLE: Approximate computation of eigenvectors

SOURCE: Zhurnal vy*chislitel'noy matematiki i matematicheskoy fiziki, v. 4, no. 2, 1964, 340-343

TOPIC TAGS: eigenvector, eigenvalue, steepest descent method, linear algebra, self-adjoint operator

ABSTRACT: A method is described for the solution of equation

 $Ax = \lambda x = 0,$

where A is a linear self-adjoint operator defined in a Hilbert space. The upper bound of the spectrum is assumed to be a simple isolated point of the spectrum. If a given vector \mathbf{x}_0 is near the eigenvector corresponding to this point, then there are several ways of solving the equation. These methods usually require the

Card 1/2

ACCESSION NR: AP4024566

solution of an equation for its largest root. However, this can be avoided if more use is made of the nearness of the vector \mathbf{x}_0 to the desired eigenvector. In the presented method, solutions are sought in the form $\mathbf{x} = \mathbf{x}_0 + \mathbf{h}$, where $||\mathbf{x}_0|| = 1$ and $(\mathbf{x}_0; \mathbf{h}) = 0$. This leads to a system of linear equations. The well known formula of Kantorovich for the one-step method of steepest descent is obtained as a special case. Orig. art. has: 27 equations.

ASSCCIATON: none

SUBJETTTED: 22Jan63

DATE ACQ: 16Apr64

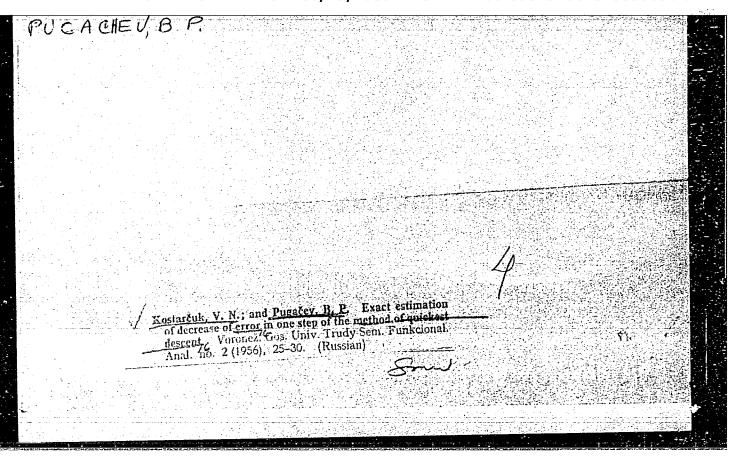
ENCL: 00

SUB CODE: MM

NO REF SOV: OOL

OTHER: OOO

.Card 2/2



PUGACHEV, B.P

SUBJECT USSR/MATHEMATICS/Functional analysis CARD 1/3 PG - 555

AUTHOR PUGACEV B.P.

TITLE On two methods for the approximative computation of eigenvalues

and eigenvectors.

PERIODICAL Doklady Akad. Nauk 110, 334-337 (1956)

reviewed 1/1957

Let A be a positive definite bounded selfadjoint operator in the real Hilbert space H. Let λ_1 and λ_n $(0 < \lambda_1 < \lambda_n)$ be the limits of the spectrum of A.

In a seminary on functional analysis Krasnosel'skij has proposed to determine λ_1 as limit value of the number sequence

(1)
$$M_{k} = \frac{(\Delta x_{k}, x_{k})}{(x_{k}, x_{k})},$$

where the vectors $\mathbf{x}_{\mathbf{k}}$ are fixed either by

(2)
$$x_{k+1} = x_k - \frac{(\Delta_k, \Delta_k)}{(\Delta_k, \Delta_k)} \Delta_k \qquad \Delta_k = \Delta x_k - \Delta_k \Delta_k$$

or by

Doklady Akad. Nauk 110, 334-337 (1956)

CARD 2/3 PG - 555

(3)
$$x_{k+1} = x_k - 2 \frac{(\Delta_k, \Delta_k)}{(\Delta_k, \Delta_k)} \Delta_k.$$

The author investigates both methods [(2) and (3)] and formulates some results: 1) $\nearrow_0 \ge \nearrow_1 \ge \nearrow_2 \ge \cdots$, 2) Let \mathbb{E}_{λ} be the spectral function of \mathbb{A} . For every $\varepsilon > 0$ be $\|\varepsilon_{\lambda_1 + \varepsilon} \times_0\| > 0$. Then $\lim_{k \to \infty} |\lambda_k| = \lambda_1$; $\lim_{k \to \infty} \|\Delta x_k - \lambda_1 x_k\| = 0$.

3) Let λ_1 be an isolated point of the spectrum of A, let the remainder of the spectrum lie on $\left[\lambda_2,\lambda_n\right]$. Let \mathbf{H}_1 be the space of eigenvectors which correspond to λ_1 , let H₂ be the orthogonal complement of H₁. Let e be the orthogonal normalized projection of x_0 onto H_1 . If then $x_0 \in H_2$, then $\lim \sin(x_k;e) = 0.$ 4) Let the conditions of 3) be satisfied, let x_k be

determined according to (2). Then to every £>0 a number n can be chosen

Doklady Akad. Nauk 110, 334-337 (1956)

CARD 3/3 PG - 555

such that for all k > 0 holds: $\bigwedge_{n+k} -\lambda_1 \le (q+\epsilon)^k (\bigwedge_{n} -\lambda_1)$ and

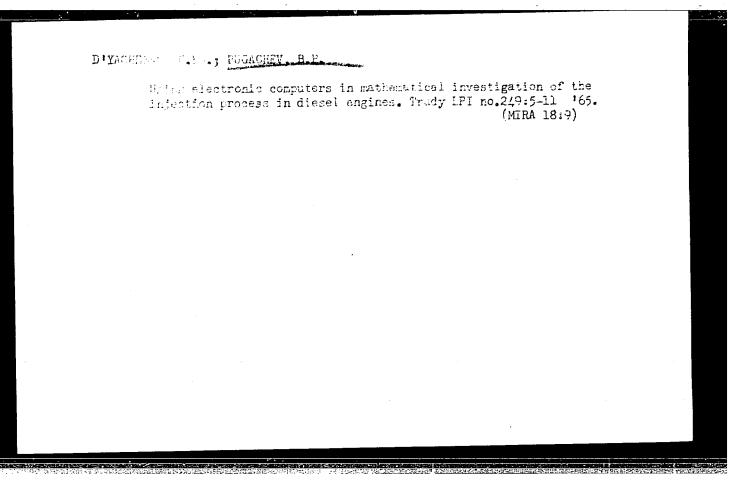
 $\sin (x_{n+k};e) \leq (q+\epsilon)^{\frac{k}{2}} \sqrt{\frac{\gamma_n - \lambda_1}{\lambda_2 - \lambda_1}}, \text{ where } q = \frac{\lambda_1}{\lambda_2} \text{ for } \lambda_1 \geqslant \lambda_n - \lambda_2 \text{ and }$

 $q = \frac{(\lambda_n - \lambda_2 + \lambda_1)^2 + 4\lambda_1(\lambda_2 - \lambda_1)}{(\lambda_n + \lambda_2 - \lambda_1)^2} \quad \text{for } \lambda_1 \leq \lambda_n - \lambda_2. \quad 5) \text{ Let the conditions}$

of 3) be satisfied and let x_k be determined according to (3). Then to every $\epsilon > 0$ there exists an n such that for k > 0: $\sin(x_{n+k}; \epsilon) \leq (q+\epsilon)^k \sin(x_n; \epsilon)$,

where q < 1 and independent of ξ . Some further results relate to positive definite quadratic symmetric matrices Δ .

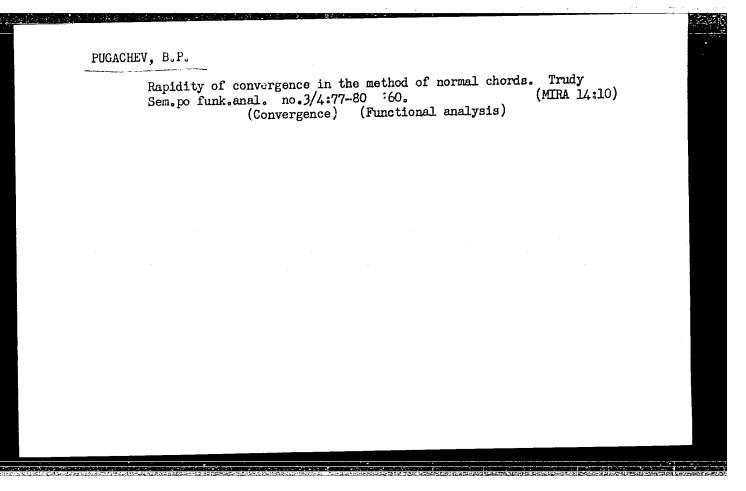
INSTITUTION: Vorone .



One method of approximate calculation of eigenvalues and vectors.

Trudy Sem.po funk.anal. no.3/4:81-97 160. (MTRA 14:19)

(Eigenvalues) (Vector analysis) (Approximate computation)



ACCESSION NR:	AR4043410 S /00	44/64/000/007/B105/B105
SOURCE: Ref.	zh. Matematika, Abs. 78572	/# B
AUTHOR: Pugae	hev, B.P.	D
TITLE: The co	nvergence of methods locally close to the	Newton-Kantorovich method
130-136 TOPIC TAGS: N	Tr. Seminara po funkts. analizu. Voronez ewton method, the Newton Kantorovich me ent method, iteration method	
	No. The author discusses the equation	
	P(x)=0	(1)
	ear differentiable operator P in a Banach	

L 29111-65

ACCESSION NR: AR4043410

with the same method used in each step. Because such a method was selected, the computation formulas for computing the approximate solution x_{1-1} for equation (2) and estimating the distance between x_{1-1} and the exact solution x_{1}^* of the same equation depend on x_{1} . During investigation of the problem, therefore, in addition to the given norm $\|x\|$ for vectors $x \in E$, the author introduces a local norm $\|x\|_{Z}$ depending on the selection of a point z (in some ball S with center at the solution x^* of equation (1)), equation (2), and the method selected for solving it. The local norm $\|x\|_{Z}$ has, with respect to x, the usual properties of norms, is uniformly continuous with respect to $z \in S$ (i.e.,

where $\varphi(t) \to 0$ as $t \to 0$, and is comparable to the norm $\|x\|$ (i.e., $\|x\| < \|x\| \le 2$) for all $x \in E$ and $x \in S$, where $x \to 0$). A method of solving equation (2) is said to be locally close to the Newton-Kantorovich method if $\|x\|_{L^{2}} = \|x\|_{L^{2}} < q \|x\|_{L^{2}} = -x_{1}^{2} \|x\|_{L^{2}}$ and $x_{1} \in S$.

 $|x|_{z_1} - |x|_{z_1} < \varphi(|z_1 - z_2|)|x|$

The author proves the following

Theorem. Let the operator P be twice continuously differentiable in S and assume that there exists a uniformly bounded inverse \(P'(x) \)-1 in S. Then there exists Cord 2/3

L_29111-65

ACCESSION NR: AR4043410

a ball S_0 with center at x^* such that the sequence of iterations obtained from (2) for any $x_0 \in S_0$ with a method locally close to the Newton-Kantorovich method converges to the solution x^* of equation (1).

The author gives examples of iterations obtained with methods that are locally close to the Newton-Kantorovich method and such that convergence to the solution x^* of equation (1) is ensured by the above theorem. Assume, for example, that A is an operator or scalar such that $\|\mathbf{I}\|_{A^{-1}P^1(x)} < q < \mathbf{I}\|$ for all x in a ball S with center at \mathbf{x}^* ; instead of equation (2), we take a similar equation

 $Ax_{l+1} - Ax_l - Px_l \ (l = 0, 1, 2, ...)$

SUB CODE: MA

ENCL: 00

Card 3/3

puga CHEV, B. V., Cand Tech Sci -- (diss) "Analysis of separation and basis of separation and construction of the artificial foundations of metal airfield coverings." Mos, 1957. 15 pp (Min of Higher Education, Mos Motor Vehicle and Road Inst) (KL, 15-58, 116)

-44-

MARKOV, Lev Alekseyevich, kand. tekhn. nauk; PARFENOV, Anatoliy
Pavlovich, inzh.; PUGACHEV, Boris Vasil'yevich, kand.
tekhn. nauk; CHERKASOV, Igor' Ivanovich, doktor tekhn.
nauk, prof.; YEGOZOV, V.P., red.; BODANOVA, A.P., tekhn.
red.

[Improving soil properties by the use of surface active agents and aggregating materials] Uluchshenie svoistv gruntov poverkhnostnoaktivnymi i strukturoobrazuiushchimi veshchestvami. Pod red. I.I.Cherkasova. Moskva, Avtotransizdat, 1963. 175 p. (MIRA 16:6) (Soil stabilization) (Road construction)

SOV/124-58-7-8062 D

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 7, ; VISSR)

。 1985年,1985年,1985年,1986年,1986年,1986年,1986年,1986年,1986年,1986年,1986年,1986年,1986年,1986年,1986年,1986年,1986年,1986年,1

AUTHOR: Pugachev, B.V.

TITLE: An Analysis of the Working and Principles Involved in the Cal-

culation and Design of Fabricated Foundations for the Metal Coverings Used to Surface Airports (Analiz raboty i printsipy rascheta i konstruirovaniya iskustvennykh osnovaniy metal-

licheskikh aerodromnykh pokrytiy)

ABSTRACT: Bibliographic entry on the author's dissertation for the de-

gree of Candidate of Technical Sciences, presented to the Mosk. avtomob. - dor. in-t (Moscow Highway Institute), Moscow, 1957

ASSOCIATION: Mosk. avtomob. - dor. in-t (Moscow Highway Institute),

Moscow

1. Landing fields--Equipment 2. Landing mats--Design

Card 1/1

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NIKOLAYSV, A.G., inzh.; RYABOV, Z.I., inzh.; CHRRNOGRUD, P.G., inzh.;

PUGACHEY, D.K., inzh.

Improving the surface quality of rimmed steel ingots. Stal'
12 no.2:123-124 F '59. (MIRA 12:2)

1. Magnitogorskiy metallurgicheskiy kombinat.

(Steel ingots) (Surfaces (Technology))

(Metallurgical plants—Quality control)
```

Puchel Dire

PA - 2375

AUTHOR:

PUGACHEV, D.K.

TITLE:

The Investigation of Molten Steel Temperature. (Issledovaniye

temperatury zhidkoy stali, Russian).

PERIODICAL:

Stal', 1957, Vol 17, Nr 1, pp 30 - 34 (U.S.S.R.)

Received: 5 / 1957

Reviewed: 5 / 1957

ABSTRACT:

The investigations were carried out in basic open hearth steel furnaces of 300 t and at a depth of the tub of 1300 mm. A platinorhodium-platinum thermoelectric couple served as primary measuring apparatus and a steady electron potentiometer EF-127 was used as secondary measuring apparatus. The application of the thermcelectric couple made it possible to determine the rules governing the temperature modification for liquid steel during the period of quiescence and the pouring of open hearth steel melt as well as to determine the optimum temperature values of the metal before deoxidation for various types of steel such as are produced in large open hearth steel furnaces. Transition to tapping with optimum temperature in the course of pouring through two stopper nozzles and a bucket with a diameter of 30 mm in the case of boiling steel decreased the not fully topping up at the initial stage of pouring by from 0,3 to 0,9%; in the case of quiet steel waste caused by cracks was lower by 0,7% at a simultaneous increase of useful metal of from 0,3 to 1,0 %. The temperature of quiet steel stays constant

Card 1/2

PA - 2375

The Investigation of Molten Steel Temperature.

or drops by about 5 to 10° but increases by about 15 to 25° in the case of boiling steels. (3 tables and 4 illustrations).

ASSOCIATION: Metallurgical Combine of Magnitogorsk.

PRESENTED BY: SUBMITTED:

AVAILABLE: Library of Congress.

Card 2/2

507/133-59-2-7/26

AUTHORS: Nikolayev A.G., Ryabov, Z.I., Chernograd: P.G.

and Rugachev, D.K. Engineers

An Improvement in the Surface Quality of Rimming Steel TITIE: Ingots (Uluchsheniye kachestva poverkhnosti kipyashonego

slitka)

PERIODICAL: Stal': 1959; Nr 2; pp 123-124 (USSR)

One of the main defects of rimming steel ingots on the ABSTRACT: Magnitogorsk Works were surface films. On the proposal of F.D. Voronov (engineer) filling of the ingot moulds fitted with sleeves was tested. Cylindrical (dia 400 mm) and rectangular (500 x 600 mm) sleeves up to 710 mm high made from sheets from 0.5 to 1.5 mm thick were tested. As a first step the solubility of the sleeves in the steel was tested. It was found that complete solution of the sleeves is obtained if they are made from sheets up to 1 mm thick. The effectiveness of the application of sleeves was tested by tapping heats into two ladles and

teeming one ladle into moulds (7 ton) with sleeves and the other ladle into moulds without sleeves. The ingots obtained were rolled into slabs and their surface quality

Card 1/2 was evaluated on the basis of the productivity of slab

SOV/133-59-2-7/26

An Improvement in the Surface Quality of Rimming Steel Ingots

dressing (tons per shift). The results obtained (Table 1 and 2) indicated that the use of sleeves degreesed the amount of dressing required by a factor of 1.8. The overall economy obtained amounted to 0.45 - 0.35 roubles/ton of steel. There is 1 figure and 2 tables.

ASSOCIATION: Magnitegerskiy Metallurgicheskiy Kombinat (Magnitegersk Metallurgical Combina)

Card 2/2

FUGACHEV, D.K., inzh.

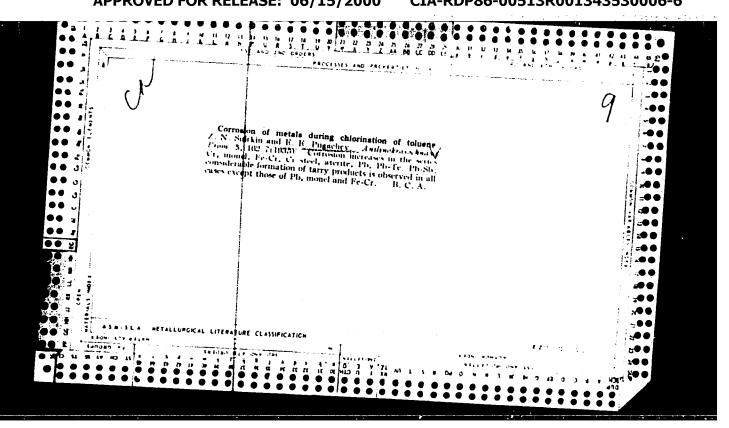
Smelting SV1002 steel. Hul. TSNIIGHM no.1:9-11 '58. (MIRA 11:5)

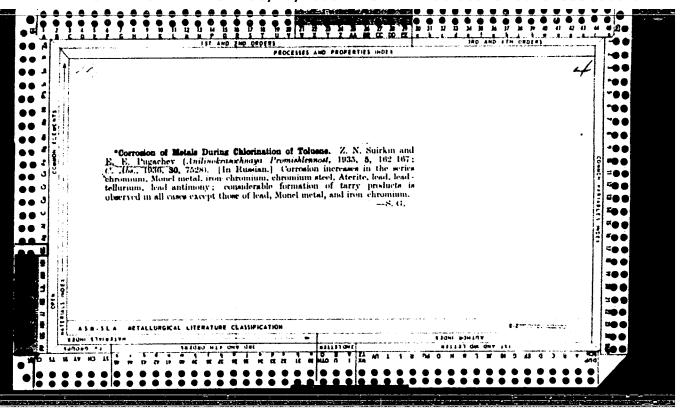
(Steel--Metallurgy)

PUGACHEV. D.K.

Investigating the temperature of molten steel. Stal' 17 no.1:30-34 Ja '57. (MIRA 10:3)

1. Magnitogorskiy metallurgicheskiy kombinat. (Steel--Metallurgy)





L 9260-66 EWP(e)/EWT(m)/EWP(b) ACC NR.

AP5022711

SOURCE CODE: UR/0181/65/007/009/2717/2722

AUTHOR:

Vitman, F. F.; Pugachev, G. .; Pukh, V. P

ORG: Physicotechnical Institute im. A. F. Ioffe AN SSSR, Leningrad (Fiziko-tekhnicheskiy institut AN SSSR)

TITLE: Safety factors and variation in the strength of plate glass

SOURCE: Fizika tverdogo tela, v. 7, no. 9, 1965, 2717-2722

TOPIC TAGS: sheet glass, high strength glass

ABSTRACT: It is shown that the values given in the literature for the strength of plate glass etched in hydrofluoric wid solutions are underestimated because insufficient attention is paid to possible accidental damage to the glass surface which may take place both before testing and while the glass is in the test installation. To verify this fact, special precautions are taken in testing the strength of glass after etching to see that damage to the surface is scrupulously avoided. A comparison with control experiments shows that the level of strength and dispersion in values observed in earlier experiments were due more to side factors than to the properties of the etched glass. The experimental data show that the guaranteed minimum values for the strength of the etched glass may be more than 100 kg·mm⁻². When precautions are taken to avoid handling of the glass in any way after etching, ordinary window

Card 1/2

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ACC NR: AP5022711				2
glass shows an aver	age bending strength of ~	250 ka mm ² 2 with a -		-1
experimental values	than previously observed	. Measurements made	in a down whom to	in
eriminate the effec.	t of ambient humidity show	wed a more than doub	le immores in	-
strength. The exper	rimental observations show	that high strength	is a property in	
netent in amorphous	.SOLIDS. It is suggested	that the problem of	nnoducing bick	-
strength glass'may/	be solved not so much by a	leveloning methode f	on etnanethoning -1-	ss
as by seeking ways i	to protect it from being t	weakened, since it i	e almeady in a come-	<u>-</u>]
strong state in its	natural form. Orig. art.	has: 1 figure, 1	table.	l
SUB CODE: 11/	CIDM DAMP. ON- CO.		, •	-
SOB CODE: 11/	SUBM DATE: 31Mar65/	ORIG REF: 022/	OTH REF: 003	
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Card 2/2 (21/2)				

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In the bural accentile of sheet glass. Tiek. I her. 2k no.9:12-14

S. Fiziko-tekhnioneskiy institut imeni Infre AN SISE.
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BAYKOVA, L.G.; VITMAN, F.F.; PUGACHEV, G.S.; PUKH, V.P.

High-strength state of glass. Dokl. AN SSSR 163 no.3:617-620 Jl '65.

1. Fiziko-tekhnicheskiy institut im. A.F.Ioffe AN SSSR. Submitted

January 18, 1965.

EWP(e)/EWT(m)/EWP(i)/EWP(b) ACC NR: AP5026038 SOURCE CODE: UR/0072/65/000/009/0012 AUTHOR: Vitman, F. F. (Doctor of physico-mathematical sciences); Pugachev, G.S.; Pukh, V. P. (Candidate of technical sciences) ORG: Physiocotechnical Institute im. A. F. Ioffe, AN SSSR (Fiziko-tekhnicheskiy institut AN SSSR) TITLE: Natural high strength of sheet glass 16,44 SOURCE: Steklo i keramika, no. 9, 1965, 12-14 TOPIC TAGS: sheet glass, glass property, hydrofluoric acid ABSTRACT: Measurements of the strength of various parts of window glass before and after etching with hydrofluoric acid showed a great scatter of values (10-160 kg/mm² for etched glass). Measurements made after steps were taken to protect the etched surface from new flaws show that glassses reinforced by etching, i.e, freed from inherent and acquired surface defects, manifest their actual high-strength state if no accumulation of random damage is allowed to occur prior to and during the test. The observations lead to the important conclusion that the structural state of massive glass is in no way stronger than the state of glass fibers or drawn rods. Orig. art. has: 1 figure. SUB CODE: MT / SUBM Date: 00 / ORIG REF: 011 / OTH REF: 001 1/1 Med UDC: 666.11.01:620.172

VITMAN, F.F.; IOFFE, B.S.; PUGACHEV, G.S.

Penetration of short stress impulses from rigid to plastic rods. Fiz. met. i metalloved. 10 no.3:435-444 S '60. (MIRA 13:10)

1. Fiziko-tekhnicheskiy institut AN SSSR.

(Strains and stresses) (Elastic waves)

L 1656-66 ENT(m)/EWP(e)/EWP(i)/EWP(b) WH

ACCESSION NR: AP5019427

UR/0020/65/163/003/0617/0620

AUTHOR: Baykova, L. G.; Vitman, F. F.; Pugachev, G. S.; Pukh, V. P.

25 25 B

大大 教育人名英格兰人名英格兰人姓氏克里的变体

TITLE: The high-strength state of glass & 44

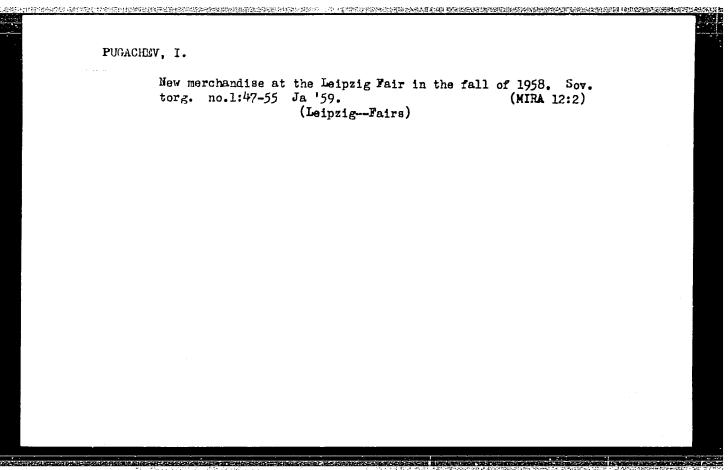
SOURCE: AN SSSR. Doklady, v. 163, no. 3, 1965, 617-620

TOPIC TAGS: glass property, high strength glass, hardening

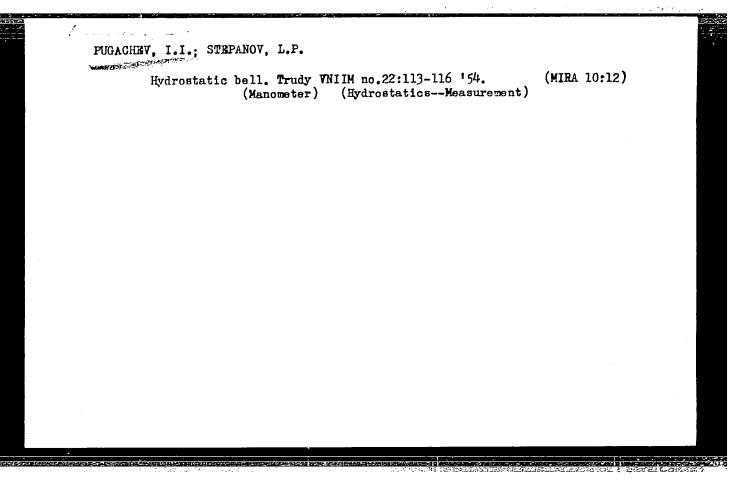
ABSTRACT: The authors examine the reasons for the spread in individual strength values for glass hardened by various thermal and chemical methods. It is assumed that the high strength observed in certain specimens from a single batch of glass is not an accident, and that this high strength would show up in the majority of the glass specimens if it were not for strong suppressing side factors. These suppressing effects are attributed chiefly to atmospheric humidity and to possible damage of the glass during installation in the testing equipment. To test this hypothesis, experiments are conducted in which the glass is protected from harmful factors from the moment hardening is started. Strength measurements show that these precautions raised the minimum strength level noticeably in the scatter zone. However, it was found that weakening influences were not completely eliminated.

Card 1/2

L 1656-66				
ACCESSION NR: AP5019427		and the second of the second o	en e	
Samples were then selected whi caution further narrowed the s strength of the batch of glass ous types of glass hardened by	ch were free from catter region and	visible surface defec	2 ts. This pre-	
ous types of glass hardened by periments indicate that super-	samples tested. S various methods sh high-strength glass	Similar tests conducted and analogous results	the average ed with vari- These ex-	1 3
has: 2 figures.	nine Just what thes	e harmful factors are	orig.art.	
SSOCIATION: Fiziko-tekhniches Physicotechnical Institute, Ac	kiy institut im A	B = -		
- My Cotte Children Cal Institute, Ac	ademy of Sciences	· · · loffe Akademii n SSSR)	auk SSSR	**************************************
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UBMITTED: 27Nov64		SSSR) SUB CODE		
UBMITTED: 27Nov64	ENCL: 00	h		
**************************************	ENCL: 00	h		



Practices of the textile industry in the German Democratic Republic. Tekst. prom. 19 no.7:79-83 Jl '59. (Germany, East--Textile industry)



PUGACHEV, I.N., inzhener; TUSHNYAKOV, M.D., inzhener.

"Reference book for construction crew mechanics." P.A.Zimin, editor. Reviewed by I.N.Pugachev, M.D.Tushniakov. Mekh.stroi. 13 no.4:3 of cover Ap 156. (MIRA 9:7) (Building machinery)

tigacher LI.

SOV/19-59-3-272/306

AUTHOR:

Pugachev, L.I.

TITLE:

A Hammerless Double-Barrel Hunting Gun

PERIODICAL:

Byulleten' izobreteniy, 1959, Nr 3, pp 64-65 (USSR)

ABSTRACT:

Class 72a, 1603. Nr 118049 (579677 of 29 June 1957). 1) A gun as in title, of simplified design, with a spring-loaded rod for pulling up and releasing the hammer used for each barrel. The rod interacts with a lever pusher mounted in the fore-stock, turning when the gun is reloaded. 2) The gun has a semi-automatic safety lock for reliable fixing of the hammers in the cocked position. 3) The trigger hooks are spring loaded in reverse direction, to protect the finger from recoil, as well

as to simplify the assembling.

Card 1/1

PUGACHEV, M.G.

Essential oils. Khim.v shkole 14 no.5:73-76 S-0 '59. (MIRA 12:12)

1. Pedagogicheskiy institut, g.Tyumen'. (Essences and essential oils)

THE TYPE FOR F. F. .. THE TOTAL THE BEKOW, Sh.S.: THE TYPE TO THE TOTAL F. ..

Effect of growth-promoting substances from petroleum on the growth of fodder yeasts. Izv. AN Kazakh, SSR. Ser. khim, nauk 15 no. 189 93 Ja-Mr 165. (MIRA 18:12)

1. Submitted May 9. 1964.

GORYAYEV, M.I.; TRET'YAKOV, L.I.; PUGACHEV, M.G.

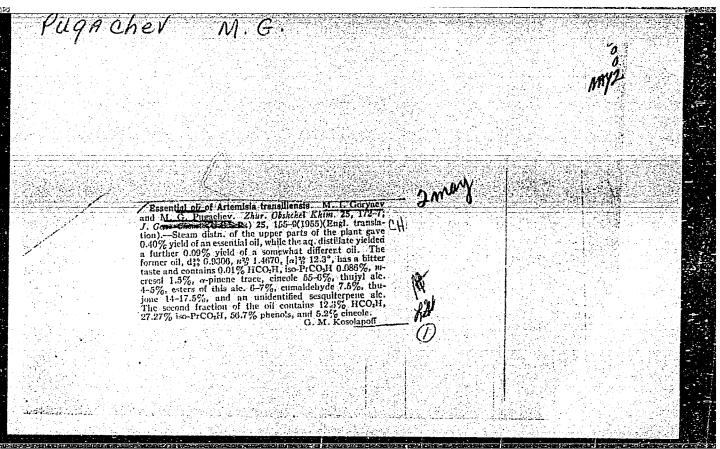
Amino acid composition of fedder yeasts obtained by lew frequency vibration. Izv.AN Kazaki SSM. Iv., While the head in Line 10:3)

(Fine 10:3)

GORYAYEV, M.I.; FUGACHEV, M.G.

Study of the essential oil from wormwood Artemisia transiliensis.
Zhur.ob.khim. 25 no.1:172-177 Ja '55. (MIRA 8:4)

1. Akademiya nauk Kazakhskoy SSR.
(Essences and essential oils) (Wormwood)

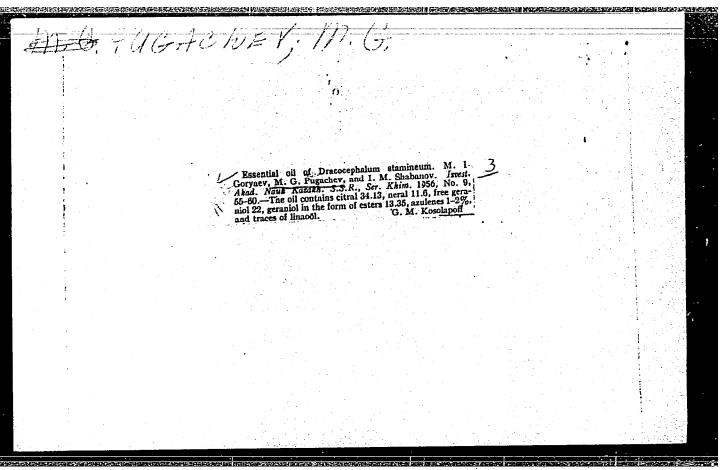


CORVESTIV, M.I., PHOTOLICA, L.G., T. 1920 (1974). P.A.

Polarographic method for the determination of furfurcle in hydrogenation products. Tav. Alf Kazakh. SSR. Ser. khim. neuk 14 no.1:91-94. To Mr. 164.

(Mine 12.7)

	JACKEV. M.G	
1855, P4(EACHEV, IN (4	
	Ethereal oil of Artemisia santolinoflia. M. I. Gorynev, 4	
	G. K. Kruglykhina, M. G. Puguchev, and I. M. Shabanov. Issest, Akad. Nauk Kasakh. 3.3.R., 38r. Khim. 1956, No. 9,	
	V - WT14. TIRE BIL CORIBINS CATOONY) COMPAIR (mainly thuises	
	\ And some lenchone 30, camphor 3.7, free alcc (mainly	
	composed of thujyl alc., 2.3% borneol, and some fenchyl alc.) 13.2, esters 10.24, cincole 1, org. acids (HCO ₂ H and	
	isovaleric acid) 8, phenols (mainly p-MeC ₄ H ₄ OH) 9%, and unidentified terpenes and azulene-forming sesquiterpenes.	
	A qual. test for aldehydes was found. G. M. K.	
·	A STATE OF THE PROPERTY OF THE	
		이 그 이 얼마 그 이 목도 살이 살았다.
		사는 이번 이 사람들은 사람들이 가지 않는 사람들이 없다.
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		ON ACH SANDANIA CONTRACTOR OF SANDANIA CONTRACTOR



GORYAYEV, M.I.; PUGACHEV, M.G.; TRET'YAKOV, L.I.; POPOV, A.P.; KORNILOVA, G.P.; IBRAYEV, G.Zh.; TUREBEKOV, Sh.S.; SAKMAN, N.E.

Preparation of fooder yeasts from molasses waste of the Dzhambul Alcohol and Vodka Combine. Izv. AN Kazakh. SSR.Ser.khim.nauk 15 no.2:77-82 Ap-Je 165.

Pugachev, N. Phamphlet on the mechanization of operations requiring a great expenditure of labor in packing flour and groats (Mechanization

of operations requiring a great expenditure of labor in packing sections of mills and groats plants" by N.A. Govorov. Reviewed by N. Pugachev). Muk.-elev.prom. 23 no.3:31 Mr '57. (MLRA 10:5)

l. Mel'nichnyy kombinat im. S.M. Kirova. (Grain milling) (Govorov, N.A.)

VALOV, I.; PUGACHEV, N.

Book on the installation of flour mills ("Installation of flour mills" by I.F. Ugolik, S.G.Ostrozetser and B.G. Ostrozetser. Reviewed mills" by I.Valov and N. Pugachev). Muk. -elev.prom.22 no.11:3 of cover N'56.

(MIRA 10:1)

1. Leningradskiy mel'nichnyv kombinat imeni S.M. Kirova.

(Flour mills)

(Ugolik, I.F.) (Ostrozetser, S.G.) (Ostrozetser, B.G.)

VALOV, I.; PUGACHKY, N.

Book on the installation of flour mills ("Installation of flour mills" by I.F. Ugolik, S.G.Ostrozetser and B.G. Ostrozetser. Reviewed by I.Valov and N. Pugachev). Muk. -elev.prom.22 no.11:3 of cover N'56.

(MIRA 10:1)

1. Leningradskiy mel'nichnyy kombinat imeni S.M. Kirova.

(Flour mills)

(Ugolik, I.F.) (Ostrozetser, S.G.) (Ostrozetser, B.G.)

SREDIN, Viktor Vladimirovich; TARASENKOV, Petr Mikhaylovich; PUGACHEV, N.A., nauchnyy red.; DESHALYT, M.G., ved. red.; YASHCHURZHINSKAYA, A.B., tekhn. red.

[Equipment and pipes for catalytic reforming and hydrofining plants] Oborudovanie i truboprovody ustanovok kataliticheskogo riforminga i gidroochistki. Leningrad, Gostoptekhizdat, 1963.

(MIRA 16:6)

237 p.

(Petroleum refineries--Equipment and supplies)

IOFFE, Veniamin Borisovich; PUGACHEY, N.A., nauchnyy red.; DOLMATOV, P.S., vedushchiy red.; YASHCHURZHINSKAYA, A.B., tekhn.red.

[Fundamentals of hydrogen production] Osnovy proizvodstva vodoroda. Leningrad. Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, Leningr.otd-nie, 1960. 429 p. (MIRA 13:2) (Hydrogen)

ZHUNKO, Vladimir Ivanovich; LAZHENITSYN, Yuriy Borisovich; PUGACHEV, N.A., redaktor; MOLOKOVA, Ye.I., redaktor; SOKOLOVA, Ye.V., tekhnicheskiy redaktor.

[Principles of the heat treatment of fuel] Osnovy termicheskoi pererabotki topliva. Leningrad, Gos. nauchno-tekhn. isd-vo neftianoi i gornotoplivnoi lit-ry, Leningradskoe otd-nie, 1954. 338 p.

(Fuel) (MLRA 7:11)

PUGACHEV, N. I.

"Experiment in the Operation of Tibar Emitters in certain Washing Liquids" report presented at the 13th Scientific Technical Conference of the Kuybyshev Aviation Institute, March 1959.

LIVSHITS, N.A.; PUGACHEV, V.N.; IVANUSHKO, N.D., red.; BELYAYEVA, V.V., tekhn. red.

[Probability methods for the analysis of automatic control systems] Veroiatnostnyi analiz sistem avtomaticheskogo upravleniia. Moskva, Izd-vo "Sovetskoe radio," Vol.1.Probability and statistical characteristics of disturbances and processes. Linear steady-state and nonstationary systems] Veroiatnostnye i statisticheskie kharakteristiki vozdeistvii i protsessov. Lineinye statsionarnye i nestatsionarnye sistemy. 1963. 895 p. (MIRA 16:7)

PUGACHEV, N.S.

Aviatsionnye dvigatelil Moskva, Ize. VVIA im. N.E. Zhukovskogo, 1948. 323 p., digars.

Bibliography: p.320-321.

Title tr.: Aircraft engines.

TL701. P84

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955

Airp l ana roto:	rs Minhve	Iri.	WVIA in	. N. E.	Zhukovaloto,	1947.	750 7.	(4 >-35431)	
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MATYUSHENKO, N.N.; VERKHOROBIN, L.F.; PUGACHEV, N.S.; SIVOKON', N.V.

Crystalline structure of higher beryllides of molybdenum, tungsten, and rhenium. Kristallografiia 7 no.6:862-864 N-D '62. (MIRA 16:4)

1. Fiziko-tekhnicheskiy institut AN UkrSSR.
(Beryllium compounds) (Crystallography)

2

\$/126/62/013/001/006/018 E021/E580

Verkhorobin, L.F., Ivanov, V.Ye., Matyushenko, N.N., AUTHORS:

Mechinorenko, Ye.P., Pugachev, N.S. and Somov, A.1.

Diffusion reactions in the Mo-Si, W-Si and Ta-Si CITIE:

systems

PERIODICAL: Fizika metallov i metallovedeniye, v.13, no.1, 1962,

77-81

The processes occurring during the saturation of molybdenum, tungsten and tantalum by silicon on thermal diffusion motypodenum, tungsten and tantalum by silicon on thermal diffusion, were studied. Metallic samples were heated in silicon powder in a vacuum of 10-5 mm mercury in the range 1150-1350°C. The silicide layer, formed on the surface of the metals, was examined by metallographic and X-ray analysis. The results showed that the saturated layer was produced, in the main, through the vapour phase. The first stage was the formation of lower silicides. Afterwards, higher silicides are formed. At 1240°C, the distlicide appears after 0.5, 1 and 3 hours on W. Ta and Mo. respectively. Once the disilicide has appeared, further growth occurs largely by this phase, and only after a definite thickness has been attained is there a retardation in growth of disilicide Card 1/2

2

Diffusion reactions in the ... S/126/62/013/001/006/018

and increased growth in the layers of lower silicide. It was shown from X-ray analysis and from the change in form of the samples during diffusion that preferential diffusion of silicon through the silicide layer occurred, and the reaction leading to the formation of the phase takes place mainly at the internal boundary of the layer. There are 5 figures and 2 tables.

ASSOCIATION:

Fiziko-tekhnicheskiy institut AN UkrSSR (Physico-technical Institute AS UkrSSR)

SUBMITTED:

April 25, 1961

Card 2/2

L 23586-66 EWT(m)/EWP(e)/ETC(f)/EWG(m) JD/JG/AT/WH

ACC NR: AP6012773

SOURCE CODE: UR/0226/66/00C/004/0061/0064

AUTHOR: Matyushenko, N. N.; Rozen, A. A.; Pugachev, N. S.

15

ORG: Kharkov Physicotechnical Institute, AN UkrSSR (Khar'kovskiy fiziko-tekhnicheskiy institut AN USSR)

TITLE: Triangulation of the system C-Si-Be

SOURCE: Poroshkovaya metallurgiya, no. 4, 1966, 61-64

TOPIC TAGS: silicon carbide, ternary system, carborundum, beryllium

ABSTRACT: The ternary system C/Si-Be is triangulated by studying the interaction between carborundum and beryllium. The interaction product is a mixture of silicon and beryllium carbide (CBe₂). The polythermal sections Si-CBe₂ and CBe₂-SiC are quasibinary systems. There is no liquid eutectic in system Si-CBe₂ close to 1400C. Orig. art. has: 3 figures and 2 tables. [Based on author's abstract] [AM]

SUB CODE: 07, 11/ SUBM DATE: 22Jun65/ ORIG REF: 007/ OTH REF: 002/

Card 1/1

S/070/62/007/006/005/020 E132/E435

AUTHORS:

Matyushenko, N.N., Verkhorobin, L.F., Pugachev, N.S.,

Sivokon', N.V.

TITLE:

The crystal structures of the higher beryllides of

molybdenum, tungsten and rhenium

PERIODICAL: Kristallografiya, v.7, no.6, 1962, 862-864

n

TEXT: The highest beryllides of No, W and Re were made by allowing refined beryllium to diffuse at above $1100\,^{\circ}\text{C}$ into these metals until saturation was reached. Sectioning a foil incompletely saturated showed distinct layers corresponding to Mo-MoBe₂-NoBe₁₂-MoBe₂₂. A foil of Mo, 0.2 mm thick, was completely saturated. X-ray powder photographs were taken (spacings tabulated) and corresponded to a cubic structure with a = 11.63 (Mo), 11.63 (W) and 11.54 Å (Re). Chemical analysis gave a formula MoBe₂₂. A structure with the space group 0.7 = Fd3m was proposed having 8Mo in (b), 16Be in (c), 16Be in (d), 48Be in (f) and 96Be in (h) positions. Observed and calculated structure factors were compared for the assumed parameters x (Be in f) = 0.125 and x (Be in h) = 0. After Card 1/2

The crystal structures ...

S/070/62/007/006/005/020 E132/E435

the study it was found that the structure was like that of ${\rm ZrZn}_{22}$ (Sten Samson. Acta crystallogr., v.14, no.12, 1961, 1229). The volume of the unit cell is substantially identical with the sum of the volumes of the component metals. There are 1 figure

ASSOCIATION: Fiziko-tekhnicheskiy institut AN UkrSSR

(Physicotechnical Institute AS UkrSSR)

SUBMITTED: November 28, 1961

Card 2/2

VERKHOROBIN, L.F.; IVANOV, V.Ye.; MATYUSHENKO, N.N.; NECHIPORENKO, Ye.P.; PUGACHEY, N.S.; SOMOV, A.I.

Reaction diffusion in systems Mo - Si, W - Si, and Ta - Si. Fiz. met.i metalloved. 13 no.1:77-81 Ja *62. (MIRA 15:3)

1. Fiziko-tekhnicheskiy institut AN USSR. (Silicides) (Diffusion)

BOL'SHAKOV, A., dotsent; PUGACHEV, P.; AKISHINA, Ye.

Physicomechanical requirements for artificial sausage casings.

Mias.ind. SSSR 34 no.3:52-55 '63. (MIRA 16:7)

1. Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy promyshlennosti.

	4 13
AUTHOR: Shtenberg, A. (Professor); Yurin, V.; Pugachev, P.	
ORG: [Shtenberg] Nutrition Institute, AMN SSSR (Institut pitaniya AMN SSSR); [Yur Moscow Institute of Hygiene im. F. F. Erisman (Moskovskiy institut gigiyeny); [Pugachev] Moscow Technological Institute of the Meat and Dairy Industry (Moskovs tekhnologicheskiy institut myasnoy i molochnoy promyshlennosti)	ikiy
TITLE: PE-500 polyethylene for packaging meat products	
SOURCE: Myasnaya industriya SSSR, no. 5, 1965, 12-14 TOPIC TAGS: 'rosin, polyethylene plastic, food technology, processed animal producting material, polyethylene plastic, food technology, processed animal producting material, polyethylenes tested only the resin of polyethylene PE-500 was found to be suitable for packaging meat products. Wrappers 50 and 100 microns i found to be suitable for packaging meat products. Wrappers 50 and 100 microns i found to be suitable for packaging meat products. Wrappers 50 and 100 microns i found to be suitable for packaging meat products. Wrappers 50 and 100 microns i saccharose, 40% ethyl alsohol, 22% sodium chloride, and 2% acetic acid solutions well as on acidified and alkalized physiological solutions, hot water, and cold The experimental results show that 1) the packaging material exposed to the simulation food samples for 30 days does not change its appearance, 2) the simulated food so not show any visible changes in color or transparency, 3) most of the simulations.	n 75% , as water. ulated
UDC 678.7421637.52.004.3	
Card 1/2	

L 07579-67

ACC NR: AP6006554

0

food samples in the bottle and flasks develop a strange odor and taste after a period of 3 and 7 days which becomes more pronounced with the prolongation of the contact time, 4) this phenomenon does not appear in samples enveloped in wrappers, 4) some low molecular weight compounds pass from the packaging material into the food samples after a contact time of 7 and 14 days, and 5) PE-500 polyethylene powder injected in animals for 8 months do not change their general condition. Sealed bags 10 x 20 cm in size prepared from the 50 and 100 micron wrapping material were tested on pork, beef, half-smoked sausage, lard, and other meat products and the results compared with those obtained from packaging similar food samples in glass jars. The test data lead to the conclusion that PE-500 polyethylene has good prospects as a packaging material for meat products. It is suggested that the polyethylene wrapping material be used in the main for wrapping meat products and the bottles and flasks be limited to packaging dry products. It is also suggested that neat products with a low fat content be packaged in the polyethylene packaging material for storing at temperatures higher than 4 C.

SUB CODE: 11, 08/ SUBM DATE: none

Card 2/2 1/2

ACC NR: AP7000677 (A) SOURCE CODE: UR/0066/66/000/011/0 17/0040

AUTHORS: Smol'skiy, N. T.; Pugachev, P. I.; Bolyayev, V. M.

ORG: Smol'skiy Moscow Institute of Mational Economy im. G. V. Plekhanov (Moskovskiy institut narodnogo khozyaystva); Pugachey All Union Scientific Research Institute of Poultry Processing Industry (Vsesoyuznyy nauchno-issledovatel'skiy institut ptitsepererabatyvayushchey promyshlennosti); Belyayey Moscow Technological Institute of Meat and Dairy Industry (Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy promyshlennosti)

TITLE: Packing and storage of beef in film-type materials

SOURCE: Kholodil'naya tekhnika, no. 11, 1966, 37-40

packing material,
TOPIC TAGS: food preservation, polyethylene, cellulose plastic /
PE-500 VD polyethylene, TsP-1 cellophane-polyethylene

ABSTRACT: The following films have been tested as packing and storing materials preventing the loss of color, moisture, and freshness of beef: 0.05-mm VD polyethylene PE-500; 0.07-mm cellophane-polyethylene TsP-1; and 0.04-mm cellophane. The meat specimens from three- and four-year old animals (weighing 325--350 kg) were held (at 2--30) for 3 days after slaughter. The specimens were stored at 4--60 and at 65-70% relative humidity for 3, 5, 7, and 9 days. At this time the following parameters were measured: freshness (according to GOST 7269-54), moisture content

Cord 1/2 UDC: 637.5.004.4:678.742.2

ACC NR: AP7000677

of the external and internal layers, pH, condition of the broth after boiling, shrinkage, amount of separated juices, and bacterial content of the external and internal layers. It was established that the most suitable of the investigated materials is polyethylene film because it retains the desirable appearance, freshness and food qualities of the meat. Orig. art. has: 5 tables.

SUB CODE: 06,13/SUBM DATE: none

Card 2/2

ISHUKOV, V.P., starshiy nauchnyy sotrudnik; PUGACHEV, P.I., inzh.; SHIBANOVA, V.A., inzh.

Changes occurring during storage in the proteins and fats of poultry meat dehydrated by sublimation. Trudy TSNIIPPa 9: 18-22 '62. (MIRA 16:6)

(Meat, Dried-Analysis)

PUGACHEV, P.I.; SHABANOVA, V.A.

Protein changes during storage in the white chicken meat hydrated by sublimation drying. Izv.vys.ucheb.zav.; pishch. tekh. no.6:85-87 '61. (MIRA 15:2)

1. Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy promyshlennosti, kafedra tekhnologii myasa i myasoptichnykh produktov.

(Poultry-Storage)

BERLIN, A.A.; PAVLOV, D.V.; PUCACHEV, P.I.

FUGACHEV, V.A., inzh.

The PZG-3 paste-making machine, Trakt. i sel'khozmash. 33 no.3:34-35 Mr :63. (MIRA 16:11)

1. Proyektno-konstruktorskiy tekhnologicheskiy institut Moldavskogo seveta narodnogo khozyaystva, g. Kishinev.

ACC NR: 11.6001914

(A)

SOURCE CODE: UR/0330/65/000/010/0015/0019

AUTHOR: Pugachev, V. A. (Engineer); Mekhanikov, A. M. (Engineer)

CAG: Moldavian Scientific Research Institute of Food Industry (Moldavskiy nauchmo-issledovatel'skiy institut pishchevoy promyshlennosti)

TITIE: Infrared lamp continuous drier NSL-2

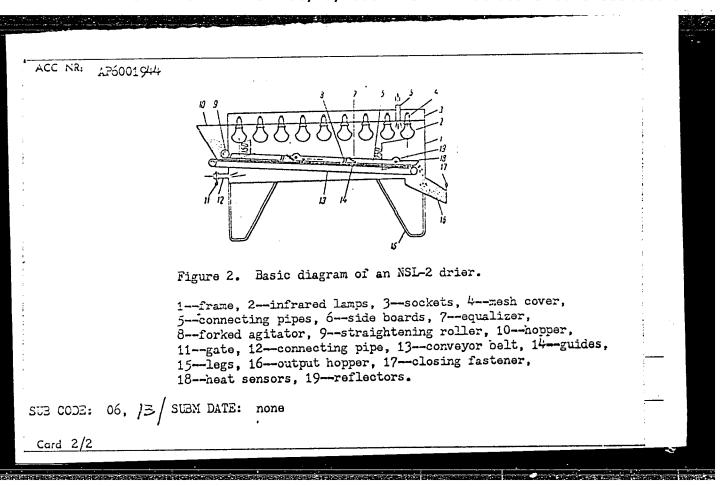
SOURCE: Monservnaya i ovoshchesushil'naya promyshlennost', no. 10, 1965, 15-19

TUPIC TAGS: IR lamp, industrial drier, food technology

ABSTRACT: A new infrared lamp continuous drier for drying grape seeds, racemic acids and other materials used in wine making is described. The advantages of this drier compared to steam and flame drier types include high efficiency (60 to 65%), light weight (300 kg), small overall dimensions, wide range of temperature conditions, and easy installation in any building. Orig. art. has: 2 figures.

Card 1/2

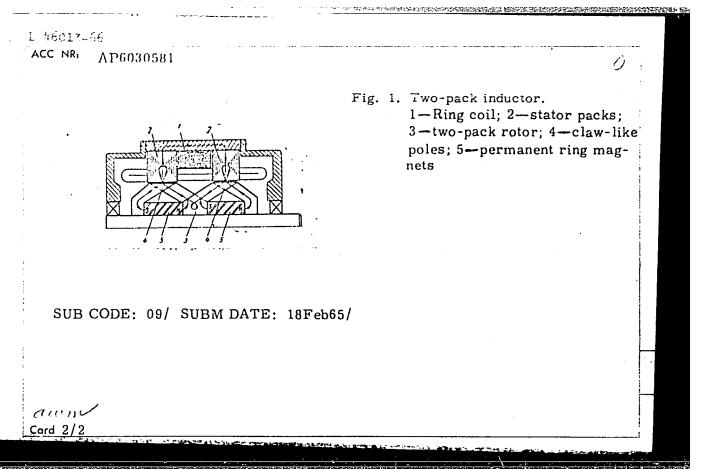
UDC: 664.8.036.539



L 46013-66 SOURCE CODE: UR/0413/66/000/016/0064/0064 ACC NR: AP6030581 INVENTOR: Dombur, L. E.; Pugachev, V. A.; Sika, Z. K. ORG: none TITLE: A two-pack inductor machine. Class 21, No. 184963 SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 16, 1966. 64 TOPIC TAGS: inductor machine, resultant field, excitation winding ABSTRACT: The proposed two-pack inductor is excited from a ring coil placed between the packs of the stator and utilizes a windingless two-pack rotor. To decrease excitation winding power and improve resultant field curve, the packs of the rotor are designed with claw-like poles and contain permanent ring magnets The latter are oriented in such a manner that each of these packs forms a variable [DW] pole system. Orig. art. has: 1 figure. [Translation]

Card 1/2

UDC: 621. 313. 392



ESTEROV, Ya.Kh., inzh.; PUGACHEV, V.I., inzh.

Practices in blasting holes on steep slopes. Transp.stroi.

(MIRA 19:1)

14 no.12:6-7 D *64.

PUCACHEV, V.1., gornyy inch.

Blasting boreholes in cohesive soils. Trans. stroi. 13 no.12: 59-60 D*63 (MIRA 17:7)

SAVEL'YEV, V.P. kand.tekhn.nauk; SHMATOVICH, V.V., kand.tekhn.nauk PRUZHINIMA, V.I., kand.tekhn.nauk; PUGACHEV, V.K., inzh.

Combination magnetic-valve discharger for 500 kv. voltages. Elektrichestvo no.4:13-20 Ap '61. (MIRA 14:8)

1. Vsesoyuznyy elektrotekhnicheskiy institut imeni Lenina. (Electric protection)

S/

AM+008918

BOOK EXPLOITATION

Livshits, M. A.; Pugachev, V. N.

Probability analysis of automatic control systems. v. 2: Nonlinear systems.

Systems of discrete operation (Veroyatnostny*y analiz sistem avtomaticheskogo upravleniya. [t.] 2: Nelineyny*ye sistemy*. Sistemy* diskretnogo deystviya)

Moscow, "Sovetskoye radio," 63. 0482 p. illus., biblio., index. 12,000 copies printed.

TOPIC TAGS: automation, probabliity, automatic control, analog automatic control, digital automatic control, nonlinear system, digital system, random process, nonlinear static element, nonlinear dynamic element, probability analysis, system accuracy, pulsed element, digital element

PURPOSE AND COVERAGE: The book presents a systematic treatise of probability analysis of nonlinear and discrete automatic control systems, random processes in nonlinear static and dynamic analog elements and their characteristics, the principal engineering methods of probability analysis of random processes, and the operating accuracy of nonlinear stationary and nonstationary analog systems. Equations are also derived and the characteristics determined for linear and nonlinear pulsed and digital elements with constant parameters, and methods are shown

Card 1/3

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for their calculation. A probability investigation is made of random processes and of the operating accuracy of linear and nonlinear digital systems with constant or variable parameters. The book contains many computation tables and graphs, examples, and summaries of formulas so as to facilitate the solution of practical problems. The mathematical level is that of students in higher technical educational institutions. The book is intended for many scientific workers, engineers, and undergraduate or graduate students specializing in theory and technology of automatic control and automation. It may also be useful to telemechanics, radio, and radar specialists engaged in statistical research.

TABLE OF CONTENTS [abridged]:

Foreword - - 3

Ch. I. Nonlinear system elements characteristics of random processes at the output of a nonlinear element - - 7

Ch. II. Characteristics of random processes in stationary and nonstationary nonlinear systems - - 138

Ch. III. Characteristics of random processes in systems with random parameters and in systems of semiautomatic control = 254

Ch. IV. Digital elements - - 276

Card 2/3

Ch. VI. Characteristics C tions for equivalence	stems with constant parameter of random processes in linear of random processes in nonling of digital and analog system.		
Subject index 477 SUB CODE: CP, CG, MM	SUBMITTED: 29Jul63	NR REF SOV: 059	
OTHER: 021	DATE ACQ: 14Nov63		
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AM4006612

BOOK EXPLOITATION

s/

Livshits, N. A.; Pugachev, V. N.

Probability analysis of automatic control systems. V. 1: Probability and statistical characteristics of effects and processes. Linear stationary and nonstationary systems (Veroyatnostny*y analiz sistem automaticheskogo upravleniya. [t.] 1: Veroyatnostny*ye i statisticheskiye kharakteristiki vozdeystviy i protsessov. Liney*ye statsionarny*ye i nestatsionarny*ye sistemy*). Moscow, "Sovetskoye radio," 1963. 895 p. illus., biblio., index. 12,000 copies printed.

TOPIC TAGS: automatic control, control system probability analysis, random disturbance function, linear steady state control system, control system transient process

PURPOSE AND COVERAGE: This book is intended for a wide circle of scientific personnel, aspirants, engineers, and students in schools of higher education specializing in various branches of the theory and techniques of automatic control and industrial automation. It could also be useful to technical personnel specializing in tele-

Card 1/4

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mechanics, radio engineering, or radar or concerned with statistical problems. The book contains a systematic exposition of probability methods for the analysis of automatic control systems. This first volume deals with the probability and statistical characteristics of random processes and with methods for their determination and evaluation. The characteristics and probability analysis of linear stationary and nonstationary systems and methods to determine the accuracy of their operation are discussed. The characteristics of random processes occurring in these systems are being determined by the application to their arbitrary inputs of any number of both stationary and nonstationary random effects. The authors thank B. C. Dostupov and Ya. Z. Tsy*pkin for their advice.

TABLE OF CONTENTS:

Foreword -- 3

Card 2/4

PUGACHEV, V.F. (Voronezh)

Approximate calculation of eigenvalues ani eigenvectors.
Zhur. vych. mat. i mat. fiz. 5 no.4;729-752 Jl-kg '65.

(MIRA 18:8)

PHGACHEV, V.E. (Vororezh)

Use of the spur of a matrix in calculating its eigenvelocs.

Zhur. vych. mat. i mat. fiz. 5 no.1:114-116 Jack ****55.

(MIGA 18:4)

PUGACHEV,	₹.

Our experience. Izobr.i rats. no.11:19 N '58. (MIRA 11:12)

1. Predsedatel soveta Vsesoyuznogo obshchestva izobretateley i ratsionalizatorov Novosibirskogo zavoda tyazhelykh stankov i krupnykh gidropressov.

(Novosibirsk--Machinery industry)

37 % N. S. V. S.

Teoriia vendushnoi strel'by. Utverzhdeno v kachestus uchebnika dlie voen. akad mii RAKA i vuzov obor. promyshl. Loskva, sos. voen. izd-vo, 1910. 293 p., diagrs.

At head of title: Voennaia voudushnaia ordena Lenina akademija

Title tr.: Theory of aerial numbers. Approved as a tertbook for militar, academies of the Red Army and higher schools of the defense industry.

Deviewed by C. Agokas in Pekhnika vozdushnogo flote, 1950, no. 6, p. 4.

UG630. 8

SC: Aeronautical Sciences and Aviation in the Soviet Snion, Library of Songress, 1985.

PUGACHEV, V. S.

Ballistician

M: "Teoriya Vozdushnoy Strel'by" (Theory of Aerial Gunnery) 1941

。 《大学》:"我们是是一个人,我们们是一个人,我们们是这一个人的,我们就是一个人,我们们们们的一个人,我们们们就是是一个人,我们们们们就是一个人,我们就是我们们

Soviet Source: P. Vooruzheniye, No. 1, Moscow, Jan 1941 Abstracted in USAF "Treasure Island", on file in Library of Congress, Air Information Division, Report No. 92508 Unclassified.

PUGACHEV, V. S.

Ballistics

"On the approximate solution of the general problem of exterior ballistics" Appl. Math. Mech. (Akad. Nauk SSSR Prikl. Mat. Mech) 5, 263-266 (1941)

"Problem of exterior ballistics of bombs". Appl. Math. Mech. (Akad. Nauk SSSR Prikl. Mat. Mech) 6, 281-286 (1942)

"Notes on exterior ballistics of projectiles and bombs" Appl. Math. Mech. (Akad. Nauk SSSR Prikl. Mat. Mech) 6, 347-368 (1942)

"The general problem of exterior ballistics for aviation bombs! Appl. Math. Mech. (Akad. Nauk SSSR Prikl. Mat. Mech.) 7, 41-48 (1943)

"Approximate method of solving the non-linear problem for the motion of a rotating projectile" Appl. Math. Mech (Akad. Nauk SSSR Prikl. Mat. Mech.) 7 313-324 (1943)

"Approximate method of investigation of plane non-linear oscillations of a projectile with a stabilizer" Appl. Math. Mech. (Akad. Mauk SSSR Prkl. Mat. Mech.) 10, 139-152 (1946)

Promotet., V. S.

Radacha vneshnei ballistiki dlia aviatsionnoi bemby. (Prilladnaia matematika i makhanika, 19h2. v. 6, no. h, p. 2-1-206) Titla tr.: Problem of exterior ballistics of aircraft bombs.

QA501.P7 1942

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